

SPECTRAL DATA SERVICES, INC.

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August 10, 2004

William Good
Blacklight Power, Inc.
493 Old Trenton Road
Cranbury, NJ 08512

Dear Mr. Good:

Enclosed please find ^1H MAS NMR spectra of sample 080304BLP1, obtained on the 270 instrument. Data were collected at two different spinning speeds, as usual.

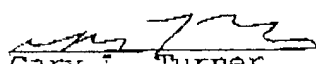
In the ^1H MAS NMR spectra two unusual signals are observed, at -4.1 and -4.5 ppm. The only compounds known to have chemical shifts in this region are transition metal hydrides, in particular Mg_2NiH_4 . Elemental analysis (Galbraith Laboratories, Inc., Knoxville, TN) shows that Mg and Ni are not detected in this sample, and that K is the main metal present. Earlier NMR data has shown that the hydride of K appears at about 1.0 ppm. Therefore these results suggest that the signals at -4.1 and -4.5 ppm represent a novel species, and do not correspond to a known metal hydride.

The ASCII x,y format files of these data are also enclosed.

The sample is being returned under separate cover.

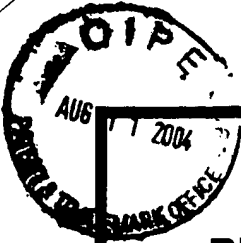
Please feel free to call me if you have any questions.

Sincerely,


Gary L. Turner
President

Spectral Data Services, Inc.

enc.

**REPLY/AMENDMENT
FEE TRANSMITTAL**

REPLY/AMENDMENT FEE TRANSMITTAL	Attorney Docket No.	62-226-8A0	
	Application Number	09/009,837	
	Filing Date	January 20, 1998	
	First Named Inventor	Mills	
	Group Art Unit	1745	
AMOUNT ENCLOSED	\$475	Examiner Name	Tsang

FEE CALCULATION (fees effective 10/01/97)

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	284	284	0 ⁽³⁾	X \$18.00 =	
INDEPENDENT CLAIMS	4	4	0	X \$84.00 =	
Since an Official Action set an original due date of May 11, 2004, petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$110); 2 months (\$400); 3 months (\$950); 4 months (\$1,510); 5 months (\$2,060)): 3 months					950
If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$110)					+
Total of above Calculations =					\$950
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)					-475
TOTAL FEES DUE =					\$475
<small>(1) If entry (1) is less than entry (2), entry (3) is "0". (2) If entry (2) is less than 20, change entry (2) to "20". (4) If entry (4) is less than entry (5), entry (6) is "0". (5) If entry (5) is less than 3, change entry (5) to "3".</small>					

METHOD OF PAYMENT

- ☒ Check enclosed as payment.
☐ Charge "TOTAL FEES DUE" to the Deposit Account No., below.

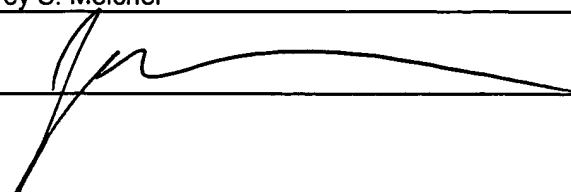
AUTHORIZATION

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees under 37 CFR 1.16 or 1.17 necessary to maintain pendency of the present application to:

Deposit Account No.: 50-0687

OrderNo.: (Client/Matter) 62-226

SUBMITTED BY: Manelli Denison & Selter, PLLC

Typed Name	Jeffrey S. Melcher	Reg. No.	35,950
Signature		Date	August 11, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of
Inventor(s): Mills

Group Art Unit: 1745

App'n Ser. No.: 09/009,837

Examiner(s): Tsang for the
Secret Committee

Filing Date: 01/20/1998

Title: HYDRIDE FUEL AND EXPLOSIVE

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August 11, 2004

RESPONSE TO OFFICE ACTION

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant files this paper in response to the Office Action mailed February 11, 2004. Also enclosed is a Petition for a three-month extension together with the appropriate fee.

Reconsideration and allowance of the subject application are respectfully requested.

Claims 17-300 are pending in the present application.

Submitted with this Response is new, non-cumulative scientific evidence further demonstrating the existence of lower energy states of hydrogen in many different ways, including, but not limited to, studies of spectroscopic lines, energy output, compositions of matter, generated plasmas, and inverted hydrogen populations. Applicant also identifies the independent third-party data pursuant to the PTO's agreement, which evidence resulted in verbal confirmation of allowability of two copending BlackLight applications handled by Examiner Langel before he was forced to resign from the cases "for moral and ethical reasons," as explained below.